

## EAST Search History

S73	2	"20040038393"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:46
S74	2	S73 and (alkaline adj (lysis or lysate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:46
S75	0	S74 and (neutralize or neutralization)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:46
S76	1	S74 and (filter or filtration or separate or separation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/20 15:47
S77	16278	((better or thorough or advantageous or increase or increased) near5 (mixing or mixture)) same (((glass or (stainless adj steel) or plastic) near3 bead) or particulate or particle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:12
S78	5969	((better or thorough or advantageous or increase or increased) near5 (mixing or mixture)) with (((glass or (stainless adj steel) or plastic) near3 bead) or particulate or particle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:12
S79	175	((better or thorough or advantageous or increase or increased) near5 fluid near4 (mixing or mixture)) with (((glass or (stainless adj steel) or plastic) near3 bead) or particulate or particle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:20
S80	121	S79 and @ad<"20030324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:20
S85	3	S80 and ((plasmid or DNA or protein or polypeptide) and (purify or purification or purified))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:21

## EAST Search History

S86	1	S80 and (cell adj suspension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:16
S87	8	S80 and ((plasmid or DNA or protein or polypeptide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:19
S88	177	((better or thorough or advantageous or increase or increased) near5 fluid near4 (mixing or blend or mixture)) with (((glass or (stainless adj steel) or plastic) near3 bead) or particulate or particle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:19
S89	14	S88 and ((plasmid or DNA or protein or polypeptide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:19
S90	8	S89 and @ad<"20030324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:22
S91	63	((better or thorough or advantageous or increase or increased) near5 fluid near4 (mixing or mixture)) with (((glass or (stainless adj steel) or plastic) near3 bead) or particulate )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:20
S92	66	((better or thorough or advantageous or increase or increased) near5 fluid near4 (mixing or mixture or blend or blending)) with (((glass or (stainless adj steel) or plastic) near3 bead) or particulate )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:21
S93	119	((better or thorough or advantageous or increase or increased) near5 fluid near4 (mixing or mixture or blend or blending)) same (((glass or (stainless adj steel) or plastic) near3 bead) or particulate )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:21

## EAST Search History

S94	268	((better or thorough or advantageous or increase or increased) with fluid with (mixing or mixture or blend or blending)) same (((glass or (stainless adj steel) or plastic) near3 bead) or particulate )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:24
S95	19	S94 and ((plasmid or DNA or protein or polypeptide) and (purify or purification or purified))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:27
S96	13	S95 and @ad<"20030324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:24
S97	15	((better or thorough or advantageous or increase or increased) with fluid with (mixing or mixture or blend or blending)) same (((glass or (stainless adj steel) or plastic) near3 bead) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:27
S98	7	S97 and @ad<"20030324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:27
S99	392	((better or thorough or advantageous or increase or increased) with (mixing or mixture or blend or blending)) same (((glass or (stainless adj steel) or plastic) near3 bead) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:36
S100	20	S99 and ((plasmid or DNA or protein or polypeptide) and (purify or purification or purified))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:37
S101	15	S100 and @ad<"20030324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:37
S102	5757	((better or thorough or advantageous or increase or increased) with (mixing or mixture or blend or blending)) and (((glass or (stainless adj steel) or plastic) near3 bead) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:36

## EAST Search History

S10 3	1531	((better or thorough or advantageous or increase or increased) same (mixing or mixture or blend or blending)) same (((glass or (stainless adj steel) or plastic) near3 bead) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:36
S10 4	85	S103 and ((plasmid or DNA or protein or polypeptide) and (purify or purification or purified))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:37
S10 5	52	S104 and @ad<"20030324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:37
S10 6	60	S103 and ((plasmid or DNA or protein or polypeptide) same (purify or purification or purified))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 13:37
S10 7	35	S106 and @ad<"20030324"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 15:51
S10 8	1	"99015621"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 15:52
S10 9	4	"9915621"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/06/19 15:52

Dialog 10/806.346  
LLM 6/20/2007

? d s

Set	Items	Description
S1	0	S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (5N) FLUID (4N) (MIXING OR MIXTURE)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )
S2	43	S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )
S3	9	S S2 AND ((PLASMID OR DNA OR PROTEIN OR POLYPEPTIDE) AND (PURIFY OR PURIFICATION OR PURIFIED))
S4	3	RD (unique items)
S5	45	S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE OR BLEND OR BLENDING)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )
S6	0	S S5 AND (CELL (W) SUSPENSION)
S7	211	S (((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE OR BLEND OR BLENDING))) (S) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )
S8	9	S S7 AND ((PLASMID OR DNA OR PROTEIN OR POLYPEPTIDE) AND (PURIFY OR PURIFICATION OR PURIFIED))
S9	3	RD (unique items)

?

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[File 369] **New Scientist** 1994-2007/Jan W2

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[File 370] **Science** 1996-1999/Jul W3

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*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Database - Reactions** 2007/Q1

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 467] **ExtraMED(tm)** 2000/Dec

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? s ((better or thorough or advantageous or increase or increased) (5n) fluid (4n) (mixing or mixture)) (9n) (((glass or (stainless (w) steel) or plastic) (3n) bead) or particulate ) Processing Processing

2023661	BETTER
108746	THOROUGH
86748	ADVANTAGEOUS
6019406	INCREASE
8518215	INCREASED
1794612	FLUID
373362	MIXING
914169	MIXTURE
579760	GLASS
124405	STAINLESS
432098	STEEL
113855	STAINLESS (W) STEEL
504167	PLASTIC
48552	BEAD
4850	((GLASS OR STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD
262204	PARTICULATE

S1 0 S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (5N) FLUID (4N) (MIXING OR MIXTURE)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )

? S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE ) Processing

2023661	BETTER
108746	THOROUGH
86748	ADVANTAGEOUS
6019406	INCREASE
8518215	INCREASED
373362	MIXING
914169	MIXTURE
579760	GLASS

124405 STAINLESS  
 432098 STEEL  
 113855 STAINLESS(W)STEEL  
 504167 PLASTIC  
 48552 BEAD  
 4850 ((GLASS OR STAINLESS(W)STEEL) OR PLASTIC) (3N)BEAD  
 262204 PARTICULATE  
 S2 43 S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED)  
 (4N)(MIXING OR MIXTURE)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR  
 PARTICULATE )

? s s2 and ((plasmid or DNA or protein or polypeptide) and (purify or purification or  
 purified))

43 S2  
 527615 PLASMID  
 5193136 DNA  
 9849125 PROTEIN  
 460190 POLYPEPTIDE  
 34805 PURIFY  
 1442367 PURIFICATION  
 1211662 PURIFIED  
 S3 9 S S2 AND ((PLASMID OR DNA OR PROTEIN OR POLYPEPTIDE) AND (PURIFY OR  
 PURIFICATION OR PURIFIED))

? rd

>>>W: Duplicate detection is not supported for File 391.  
 Records from unsupported files will be retained in the RD set.  
 S4 3 RD (UNIQUE ITEMS)

? t s4/medium/all

4/3/1 (Item 1 from file: 5) [Links](#)

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13591953 Biosis No.: 199699226013

**Enhancement by ganglioside GT1b of annexin I phosphorylation in bovine mammary gland in the presence of  
 phosphatidylserine and Ca-2+**

**Author:** Katoh Norio (Reprint); Miyamoto Toru

**Author Address:** Natl. Inst. Anim. Health, Lab. Biochem., 3-1-1 Kannondai, Tsukuba, Ibaraki 305, Japan\*\*Japan

**Journal:** Lipids 31 ( 9 ): p 983-987 1996 1996

**ISSN:** 0024-4201

**Document Type:** Article

**Record Type:** Abstract

**Language:** English

4/3/2 (Item 2 from file: 5) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

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10172831 **Biosis No.:** 199089090722

**BOVINE AORTIC ENDOTHELIAL CELL TRANSGLUTAMINASE ENZYME CHARACTERIZATION  
AND REGULATION OF ACTIVITY**

**Author:** KORNER G (Reprint); SCHNEIDER D E; PURDON M A; BJORNSSON T D

**Author Address:** DIV CLINICAL PHARMACOL, DEP MED, JEFFERSON MED COLL, THOMAS JEFFERSON  
UNIV, PHILADELPHIA, PA 19107, USA\*\*USA

**Journal:** Biochemical Journal 262 ( 2 ): p 633-642 1989

**ISSN:** 0264-6021

**Document Type:** Article

**Record Type:** Abstract

**Language:** ENGLISH



4/3/3 (Item 1 from file: 71) [Links](#)

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00435659 96129540

**Enhancement by ganglioside GT1b of annexin I phosphorylation in bovine mammary gland in the presence of phosphatidylserine and Casp 2sup +**

Katoh N.; Miyamoto T.

**Address:** N. Katoh, Laboratory of Biochemistry, National Institute of Animal Health, 3-1-1 Kannondai, Tsukuba, Ibaraki 305, Japan

**Journal :** Lipids, 31/9 (983-987), 1996, United States

**PUBLICATION DATE:** 19960000

**CODEN:** LPDSA

**ISSN:** 0024-4201

**Document Type:** Article

**Languages:** English **Summary Languages:** English

**CLASSIFICATION CODE AND DESCRIPTION:**

**Modolecular Sequence Databank Number:** 82.4.3.2 - **PROTEIN BIOCHEMISTRY / PROTEIN SYNTHESIS /**  
Post Translational Modification / Phosphorylation

89.1.1.4 - **CELL AND DEVELOPMENTAL BIOLOGY / MEMBRANES AND CELL TRANSPORT / Cell Surface**  
and Plasma Membrane / Lipids and glycolipids

? S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE or blend or blending)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )

Processing

2023661	BETTER
108746	THOROUGH
86748	ADVANTAGEOUS
6019406	INCREASE
8518215	INCREASED
373362	MIXING
914169	MIXTURE
61751	BLEND
28705	BLENDING
579760	GLASS
124405	STAINLESS
432098	STEEL
113855	STAINLESS (W) STEEL
504167	PLASTIC
48552	BEAD
4850	((GLASS OR STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD
262204	PARTICULATE

S5 45 S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE OR BLEND OR BLENDING)) (9N) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )

? s s5 and and (cell (w) suspension)

>>>W: Operator "AND" in invalid position

>>>E: There is no result

? s s5 and (cell (w) suspension)

Processing

Processing

45	S5
14759296	CELL
410373	SUSPENSION
54191	CELL (W) SUSPENSION

S6 0 S S5 AND (CELL (W) SUSPENSION)

? s S ((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE OR BLEND OR BLENDING)) (s) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )

>>>W: Unmatched parentheses

>>>E: There is no result

? S (((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED) (4N) (MIXING OR MIXTURE OR BLEND OR BLENDING))) (s) (((GLASS OR (STAINLESS (W) STEEL) OR PLASTIC) (3N) BEAD) OR PARTICULATE )

Processing

2023661	BETTER
108746	THOROUGH
86748	ADVANTAGEOUS
6019406	INCREASE
8518215	INCREASED
373362	MIXING
914169	MIXTURE
61751	BLEND
28705	BLENDING
579760	GLASS
124405	STAINLESS
432098	STEEL

113855 STAINLESS(W)STEEL  
 504167 PLASTIC  
 48552 BEAD  
 4850 ((GLASS OR STAINLESS(W)STEEL) OR PLASTIC) (3N)BEAD  
 262204 PARTICULATE  
 S7 211 S (((BETTER OR THOROUGH OR ADVANTAGEOUS OR INCREASE OR INCREASED)  
 (4N) (MIXING OR MIXTURE OR BLEND OR BLENDING))) (S) (((GLASS OR (STAINLESS (W) STEEL) OR  
 PLASTIC) (3N) BEAD) OR PARTICULATE )

? s s7 and ((plasmid or DNA or protein or polypeptide) and (purify or purification or  
 purified))

211 S7  
 527615 PLASMID  
 5193136 DNA  
 9849125 PROTEIN  
 460190 POLYPEPTIDE  
 34805 PURIFY  
 1442367 PURIFICATION  
 1211662 PURIFIED  
 S8 9 S S7 AND ((PLASMID OR DNA OR PROTEIN OR POLYPEPTIDE) AND (PURIFY OR  
 PURIFICATION OR PURIFIED))

? rd

>>>W: Duplicate detection is not supported for File 391.  
 Records from unsupported files will be retained in the RD set.  
 S9 3 RD (UNIQUE ITEMS)

? t s9/medium/all

9/3/1 (Item 1 from file: 5) [Links](#)

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13591953 Biosis No.: 199699226013

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**Author:** Katoh Norio (Reprint); Miyamoto Toru

**Author Address:** Natl. Inst. Anim. Health, Lab. Biochem., 3-1-1 Kannondai, Tsukuba, Ibaraki 305, Japan\*\*Japan

**Journal:** Lipids 31 ( 9 ): p 983-987 1996 1996

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